

Marked Up Version 37 CFR 1.121(b)(1)(iii)

Page 54, 3rd full paragraph beginning at line 11.

In step S1304, the flow branches on the basis of the result of step S1303. If the type of the speech segment data W_i is a voiced fricative sound or plosive, the flow advances to step S1316. If not, the flow proceeds to step S1305. In step S1316, the CPU 100 does not compress this speech segment data W_i . With this arrangement, degradation of the quality of the voiced fricative sound or plosive can be prevented. In step S1316, the CPU 100 writes encoding information of the speech segment data W_i in the speech segment dictionary 112. This encoding information contains the type of the speech segment data W_i and information indicating that the speech segment data W_i is not encoded. In step S1317, the CPU 100 writes the speech segment data W_i in the speech segment dictionary 112 without encoding the speech segment data W_i , and the flow advances to step S1318.

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Marked Up Version 37 CFR 1.121(b)(1)(iii)

Page 54, 4th full paragraph, beginning at line 24 continuing to page 55.

In step S1305, the flow branches on the basis of the result of step S1303. If the type of the speech segment data is an unvoiced sound, the flow advances to step S1306. If not, the flow proceeds to step S1309. In step S1306, the CPU 100 encodes the speech segment data W_i by using the encoding scheme (i.e., scalar quantization) explained in the second or third embodiment. In step S1307, the CPU 100 writes encoding information of the speech segment data W_i in the speech segment dictionary 112. This encoding information contains the type of the speech segment data W_i , information specifying the encoding method by which the speech segment data W_i is encoded, and information necessary to decode the speech segment data W_i (e.g. a quantization code book). In step S1308, the CPU 100 writes the speech segment data W_i encoded in step S1306 into the speech segment dictionary 112, and the flow advances to step S1318.



Marked Up Version 37 CFR 1.121(b)(1)(iii)

Page 55, 1st full paragraph beginning at line 12

In step S1309, the flow branches on the basis of the result of step S1303. If the type of the speech segment data is a nasal sound, the flow advances to step S1310. In step S1310, the CPU 100 encodes the speech segment data W_i by using the encoding scheme (i.e. linear predictive coding) explained in the fourth embodiment. In step S1311, the CPU 100 writes encoding information of the speech segment data W_i in the speech segment dictionary 112. This encoding information contains the type of the speech segment data W_i , information specifying the encoding method by which the speech segment data W_i is encoded, and information necessary to decode the speech segment data W_i (e.g., a prediction coefficient and a quantization code book). In step S1312, the CPU 100 writes the speech segment data W_i encoded in step S1310 into the speech segment dictionary 112, and the flow advances to step S1318. If not, the flow proceeds to step S1313.

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Marked Up Version 37 CFR 1.121(b)(1)(iii)

Page 58, 4th full paragraph beginning at line 25, continuing to page 59.

In step S1407, the flow branches on the basis of the result of step S1406. If the type of the speech segment data is a voiced fricative sound or plosive, the flow advances to step S1416. If not, the flow proceeds to step S1408. In step S1416, the CPU 100 reads out the speech segment data retrieved in step S1404, and the flow advances to step S1417. In this case, this speech segment data is not encoded.

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Marked Up Version 37 CFR 1.121(b)(1)(iii)

Page 59, 1st full paragraph beginning at line 4.

In step S1408, the flow branches on the basis of the result of step S1406. If the type of the speech segment data is an unvoiced sound, the flow advances to step S1414. If not, the flow proceeds to step S1409. In step S1414, the CPU 100 reads out the speech segment data retrieved in step S1404, and the flow advances to step S1415. This speech segment data is encoded by scalar quantization. In step S1415, the CPU 100 decodes this speech segment data on the basis of the encoding information read out in step S1405.

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Marked Up Version 37 CFR 1.121(b)(1)(iii)

Page 59, 2nd full paragraph beginning at line 11.

In step S1409, the flow branches on the basis of the result of step S1406. If the
type of the speech segment data is a nasal sound, the flow advances to step S1412. If not,
the flow proceeds to step S1410. In step S1412, the CPU 100 reads out the speech
segment data retrieved in step S1404, and the flow advances to step S1413. This speech
segment data is encoded by linear predictive coding. In step S1413, the CPU 100 decodes
this speech segment data on the basis of the encoding information read out in step S1405.

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Marked Up Version 37 CFR 1.121(b)(1)(iii)

Abstract

Speech [N speech] segment data are encoded in accordance with their respective optimum encoding schemes. The speech segment data thus encoded are registered in a speech segment dictionary along with information specifying the encoding methods used in the encoding.

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